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(21) International Application Number: PCT/EP97/02002 (22) International Filing Date: 21 April 1997 (21.04.97) (30) Priority Data: 96870053.4 19 April 1996 (19.04.96) EP (34) Countries for which the regional or international application was filed: BE et al. (71) Applicant (for all designated States except US): INNOGENET-ICS N.V. [BE/BE]; Industriepark Zwijnaarde 7, Box 4, B-9052 Ghent (BE). (72) Inventors; and (75) Inventors/Applicants (for US only): STUYVER, Lieven [BE/BE]; Holestraat 8, B-9552 Herzele (BE). ROSSAU, Rudi [BE/BE]; Wilgehoevestraat 45, B-2180 Ekeren (BE). MAERTENS, Geert [BE/BE]; Zilverparrenstraat 64, B-8310 Brugge (BE). (74) Agent: DE CLERCQ, Ann; Innogenetics N.V., Industriepark Zwijnaarde 7, Box 4, B-9052 Ghent (BE).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>Without international search report and to be republished upon receipt of that report.</i>
(54) Title: METHOD FOR TYPING AND DETECTING HBV (57) Abstract <p>The present invention relates to a method for detection and/or genetic analysis of HBV in a biological sample, comprising hybridizing the polynucleic acids of the sample with a combination of at least two nucleotide probes, with said combination hybridizing specifically to a mutant target sequence chosen from the HBV RT pol gene region and/or to a mutant target sequence chosen from the HBV preCore region and/or to a mutant target sequence chosen from the HBsAg region of HBV and/or to a HBV genotype-specific target sequence, with said target sequences being chosen from Figure 1, and with said probes being applied to known locations on a solid support and with said probes being capable of hybridizing to the polynucleic acids of the sample under the same hybridization and wash conditions, or with said probes hybridizing specifically with a sequence complementary to any of said target sequences, or a sequence wherein T of said target sequence is replaced by U; and detecting the hybrids formed; and inferring the HBV genotype and/or mutants present in said sample from the differential hybridization signal(s) obtained. The invention further relates to sets of nucleotide probes and possibly primers useful in said methods as well as to their use in a method for typing and/or detecting HBV and to assay kits using the same.</p>		